1. An optically active compound of formula (I),

in which:

 R^1 is H, halogen, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, $[(C_1-C_4)$ alkoxy] (C_1-C_6) alkyl, (C_3-C_6) cycloalkyl which is unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C_1-C_4) alkyl and (C_1-C_4) haloalkyl, or is (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_2-C_6) haloalkenyl, (C_4-C_6) cycloalkenyl, (C_4-C_6) halocycloalkenyl, (C_1-C_6) alkoxy or (C_1-C_6) haloalkoxy;

R² is H, halogen, (C₁-C₆)alkyl or (C₁-C₄)alkoxy; or

 R^1 and R^2 can together with the attached carbon atom form a (C_3 - C_6)cycloalkyl or (C_4 - C_6)cycloalkenyl ring;

R³ is H, (C₁-C₆)alkyl, (C₁-C₄)alkoxy or halogen;

 R^4 and R^5 are each independently H, (C_1-C_4) alkyl, (C_1-C_4) haloalkyl, (C_3-C_4) alkenyl, (C_3-C_4) haloalkenyl, (C_3-C_4) haloalkynyl or an acyl radical;

 R^6 is H, (C_1-C_6) alkyl or (C_1-C_6) alkoxy;

 R^7 , R^8 , R^9 and R^{10} are each independently H, (C_1-C_4) alkyl, (C_1-C_3) haloalkyl, halogen, (C_1-C_3) alkoxy, (C_1-C_3) haloalkoxy or CN;

A is CH₂, O or a direct bond;

and the stereochemical configuration at the marked 1 position is (R) having a stereochemical purity of from 60 to 100 % (R),

or an agriculturally acceptable salt thereof.

2. A compound or a salt thereof as claimed in claim 1, wherein:

 R^1 is H, halogen, (C_1-C_4) alkyl, such as methyl, ethyl, n-propyl or iso-propyl, or is (C_1-C_4) haloalkyl, $[(C_1-C_4)$ alkoxy] (C_1-C_4) alkyl, (C_3-C_6) cycloalkyl which is unsubstituted or substituted by one or two (C_1-C_4) alkyl groups, or is (C_3-C_4) halocycloalkyl, (C_2-C_4) alkenyl, (C_2-C_4) haloalkenyl, (C_2-C_4) alkynyl, (C_1-C_4) alkoxy or (C_1-C_4) haloalkoxy;

R² is H or (C₁-C₄)alkyl; or

R¹ and R² together with the attached carbon atom form a (C₃-C₆)cycloalkyl ring;

R³ is H, (C₁-C₄)alkyl, (C₁-C₂)alkoxy or halogen;

 R^4 is H, (C_1-C_4) alkyl, (C_1-C_4) haloalkyl, (C_3-C_4) alkenyl, (C_3-C_4) alkynyl or an acyl radical having 1 to 12 carbon atoms;

 R^5 is H, (C_1-C_4) alkyl or (C_1-C_4) haloalkyl;

 R^6 is H, (C_1-C_3) alkyl or (C_1-C_3) alkoxy;

 R^7 , R^8 , R^9 and R^{10} are each independently H, (C_1-C_3) alkyl, halogen or (C_1-C_3) alkoxy; and

A is CH₂, O or a direct bond.

3. A compound or a salt thereof as claimed in claim 1, wherein:

R¹ is H or (C₁-C₃)alkyl;

R² is H or (C₁-C₃)alkyl; or

R¹ and R² together with the attached carbon atom form a (C₃-C₄)cycloalkyl ring;

R³ is H, (C₁-C₂)alkyl, methoxy, Cl or F;

 R^4 is H, (C_1-C_3) alkyl, (C_1-C_3) haloalkyl, allyl, propargyl, CHO, -CO (C_1-C_3) alkyl or -CO (C_1-C_3) haloalkyl;

R⁵ is H or (C₁-C₂)alkyl;

 R^6 is H, (C_1-C_3) alkyl or (C_1-C_3) alkoxy;

R⁷, R⁸, R⁹ and R¹⁰ are each independently H, methyl, F and Cl; and

A is CH₂, O or a direct bond.

- 4. A process for the preparation of a compound of the formula (I) or a salt thereof as defined in claim 1, which process comprises:
- a) reacting a compound of formula (II):

$$R^3$$
 R^2
 R^1
(II)

wherein R¹, R² and R³ are as defined in formula (I), and Z is a functional group selected from the group consisting of carboxylic ester, carboxylic orthoester, carboxylic acid chloride, carboxamide, cyano, carboxylic anhydride or trichloromethyl, with a biguanidine compound of formula (III) or an acid addition salt thereof:

wherein R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰ and A and the configuration at the marked 1 position are as defined in formula (I);

b) reacting a compound of formula (IV):

$$\begin{array}{c|c}
R^{3} & R^{2} \\
\hline
 & 1^{*} \\
N & N \\
N & R^{4} \\
\hline
 & R^{5}
\end{array}$$
(IV)

wherein R¹, R², R³, R⁴ and R⁵ and the configuration at the marked 1* position are as defined in formula (I), and L¹ is a leaving group, with an amine of formula (V) or an acid addition salt thereof:

$$\begin{array}{c|c}
 & 3 & 2 & R^6 \\
 & 1R & & & \\
 & & 1R & & \\
 & & & R^{10} & & \\
 & & & & R^{9} & & \\
\end{array}$$
(V)

wherein R⁶, R⁷, R⁸, R⁹, R¹⁰ and A and the configuration at the marked 1 position are as defined in formula (I);

c) where one of R^4 or R^5 in formula (I) is (C_1-C_4) alkyl, (C_1-C_4) haloalkyl, (C_3-C_4) alkenyl, (C_3-C_4) haloalkenyl, (C_3-C_4) alkynyl or (C_3-C_4) haloalkynyl, reacting the corresponding compound of formula (I) wherein said R^4 or R^5 respectively is H, and the other radicals and the configurations are as defined in formula (I), with an alkylating agent of formula (VI) or (VII) respectively:

$$R^4-L^2$$
 (VI) R^5-L^2 (VII)

wherein L² is a leaving group;

d) where one of R⁴ or R⁵ is an acyl radical in formula (I), reacting the corresponding compound of formula (I) wherein said R⁴ or R⁵ respectively is H, and the other radicals and the configurations are as defined in formula (I), with an acylating agent of formula (VIII) or (IX) respectively:

$$R^4-L^3$$
 (VIII) R^5-L^3 (IX)

wherein R⁴ and R⁵ are each an acyl radical as defined in formula (I) and L³ is a leaving group; or

e) resolving a compound of formula (I) by using in the above-described processes one or more intermediates (II), (III), (IV) or (V) whose configuration differs from the configuration as defined in the compound of formula (I) to be prepared, and resolving the mixture obtained according to known methods of resolution.

- 5. A herbicidal or plant growth regulating composition, which comprises one or more compounds of the formula (I) or their salts as claimed in claim 1 and formulation auxiliaries applicable in crop protection.
- 6. A method of controlling harmful plants or for regulating the growth of plants, which comprises applying an active amount of one or more compounds of the formula (I) or their salts as claimed in claim 1 to the plants, plant seeds or the area under cultivation.
- 7. The use of compounds of the formula (I) or their salts as claimed in claim 1 as herbicides or plant growth regulators.
- 8. A compound of the formula (V), or salts thereof, as defined in claim 4, wherein R^4 and R^5 are hydrogen, and R^6 is H, (C_1-C_6) alkyl or (C_1-C_6) alkoxy; R^7 , R^8 , R^9 and R^{10} are each independently H, (C_1-C_4) alkyl, (C_1-C_3) haloalkyl, halogen, (C_1-C_3) alkoxy, (C_1-C_3) haloalkoxy or CN; A is CH₂, O or a direct bond; and wherein the stereochemical configuration at the marked 1 position is as defined in formula (I),
- with the exception of compounds of formula (V), or salts thereof, where:
- (i) A is a direct bond, R⁶, R⁷, R⁸ and R⁹ are each hydrogen, and R¹⁰ is hydrogen, methoxy, n-propoxy or cyano; or
- (ii) A is CH₂, and R⁶, R⁷, R⁸ and R¹⁰ are each hydrogen, and R⁹ is hydrogen, methyl, methoxy, isopropoxy or t-butyl; or A is CH₂, and R⁶, R⁷ and R⁹ are each hydrogen, and R⁸ is methyl and R¹⁰ is methyl; or
- (iii) A is an oxygen atom, and R⁶, R⁷, R⁸, R⁹ and R¹⁰ are each H.
- 9. A compound of formula (III) or a salt thereof, as defined in claim 4.
- 10. A compound of formula (XIII) or a salt thereof,

$$R^{7}$$
 R^{8}
 R^{9}
 R^{10}
 R^{10}
 R^{10}
(XIII)

in which

 R^6 is H, (C_1-C_6) alkyl or (C_1-C_6) alkoxy; and R^7 , R^8 , R^9 and R^{10} are each independently H, (C_1-C_4) alkyl, (C_1-C_3) haloalkyl, halogen, (C_1-C_3) alkoxy, (C_1-C_3) haloalkoxy or CN; R^{11} (C_1-C_6) alkanoyl which is unsubstituted or substituted by one or more radicals selected from the group consisting of halogen, (C_1-C_4) alkoxy and (C_1-C_4) alkylthio; A is CH_2 , O or a direct bond; and wherein the stereochemical configuration at the marked 1 position is (R) having a stereochemical purity of from 60 to 100 % (R), with the exception of compounds of formula (XIII), or salts thereof, where:

- (i) A is a direct bond, R⁶, R⁷, R⁸, R⁹ and R¹⁰ are each hydrogen, and R¹¹ is formyl, acetyl, trifluoroacetyl or bromoacetyl, or

 A is a direct bond, R⁶ is methyl; R⁷, R⁸, R⁹ and R¹⁰ are each hydrogen, and R¹¹ is acetyl, or

 A is a direct bond, R⁶; R⁷, R⁹ and R¹⁰ are each hydrogen, R⁸ is fluoro, and R¹¹ is acetyl, or
- (ii) A is CH₂, and R⁶, R⁷, R⁸, R⁹ and R¹⁰ are each hydrogen, and R¹¹ is acetyl, trifluoroacetyl or chloroacetyl; or
 A is CH₂, and R⁶, R⁷ and R⁹ are each hydrogen, and R⁸ is methyl and R¹⁰ is methyl; and R¹¹ is acetyl, or
 A is CH₂, and R⁶, R⁷, R⁹ and R¹⁰ are each hydrogen, and R⁸ is methoxy, and R¹¹ is acetyl, or
 A is CH₂, and R⁶ is methyl, R⁷, R⁸, R⁹ and R¹⁰ are each hydrogen, and R¹¹ is acetyl, or
- (iii) A is an oxygen atom, and R⁶, R⁷, R⁸, R⁹ and R¹⁰ are each H, and R¹¹ is acetyl.